DECLARATION

I hereby declare that the entire work presented in this dissertation has been carried out by me under the supervision of Dr. A. S. Vaingankar, Head of Dept. of Electronic, Shivaji University, Kolhapur, and no part of this dissertation has been submitted before for the award of any degree or diploma of this University or any other University/Institute.

Place: Kolhapur.

Date:06-08-2001

Neetu S. Raorane

Whara

Department of Electronic

Shivaji University Kolhapur – 4

Prof. Dr. A. S. Vaingankar (Research/Guide)

Shivaji University,

Kolhapur - 4